

Validated Surface Water Samples for 8/12/15

Ten surface water samples were collected at nine (9) locations south of Colorado along the Animas River and the San Juan River of New Mexico on August 12th, 2015. The results for the dissolved (filtered) metals surface water samples indicate that all nine locations were less than the screening levels for drinking water (maximum contaminant limits (MCLs)). The dissolved metal concentrations were less than screening levels for recreation, aquatic life (acute and chronic), livestock, and irrigation of crops. The dissolved metal concentration in surface water represents the fraction of metals that are bioavailable. This bioavailable portion represents the fraction of metals that can cross the gills of fish and the cell membranes of aquatic organisms.

The results for total metals (unfiltered) surface water samples indicate that all nine locations were less than the MCL and the recreational scenarios such as hiker/camper.

Sampling has shown a downward trend toward pre-event conditions.